

# Yiqian HUANG

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## EDUCATION

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**Southern University of Science and Technology (SUSTech)**, China Aug 2020 — Present  
Senior Undergraduate, Department of Computer Science and Engineering  
Related core courses: Algorithm Design and Analysis (98), C/C++ Programming Design (95), Data Structures and Algorithm Analysis (95), Probability and Statistics (91), etc.

## PUBLICATIONS

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Shiqi Zhang, **Yiqian Huang**, Jiachen Sun, Wenqing Lin, Xiaokui Xiao, and Bo Tang. 2023.  
**Capacity Constrained Influence Maximization in Social Networks.**  
In Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD '23**).

Shiqi Zhang, Jiachen Sun, Wenqing Lin, Xiaokui Xiao, **Yiqian Huang**, and Bo Tang. 2023.  
**Information Diffusion Meets Invitation Mechanism.**  
Proceedings of the ACM Web Conference 2024 (**WWW '24**).

## SELECTED AWARDS (CCPC/ICPC = China/International Collegiate Programming Contest)

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### Competition Awards

- **6<sup>th</sup> Place**, 2023 ACM SIGMOD Programming Contest 2023
- **First Prize (Second Runner-up)**, Harbin Institute of Technology (Shenzhen) Programming Contest 2021
- **Silver Medal**, ICPC, Asia Shenyang Regional Contest 2021
- **Silver Medal**, CCPC, Harbin Site 2021
- **Silver Medal**, ICPC, Asia Yinchuan Regional Contest 2021
- **Silver Medal**, CCPC, Qinhuangdao Site 2020
- **Bronze Medal**, National Olympiad in Informatics, China 2019

### University Awards

- **Outstanding Teaching Assistant in CS216H**, SUSTech 2023
- **Outstanding Teaching Assistant in CS203**, SUSTech 2022
- **Second Prize**, ASC Student Supercomputer Challenge 2022
- **President's Special Scholarship**, SUSTech 2020

## EXPERIENCE

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**Research Intern, National University of Singapore (NUS)** Aug 2023 — Present  
Supervisor: **Prof. Xiaokui Xiao**  
Conduct two studies on social influence, leading one of them  
\*The study I lead **first** approaches a  $1-1/e$  approximation for the influence maximization problem under matroid constraint

**Research Assistant, SUSTech** Jul 2022 — Jun 2023  
Supervisor: **Prof. Bo Tang**  
Conduct a study on gaming social network analysis, accepted by KDD'23  
Secure 6<sup>th</sup> place in the *2023 ACM SIGMOD Programming Contest*

**Member of Programming Team, SUSTech** Sep 2020 — Sep 2021  
Win 4 silver medals in CCPC/ICPC regional contests  
Get invited to the Harbin Institute of Technology (Shenzhen) Programming Contest and win third place

**Teaching Assistant: [CS216H] Algorithm Design and Analysis, SUSTech** Feb 2023 — Jun 2023  
Be responsible for lab course tutoring, homework, Q&A, and final exam marking

**Teaching Assistant: [CS203] Data Structures and Algorithm Analysis, SUSTech** Feb 2022 — Jun 2022  
Be responsible for lab course tutoring, homework, Q&A, and deployment of the Online Judge platform